

# TP R BNC A

TP - Twisted Pair Receiver for RGBHV and Audio



## FEATURES

- Input: One female RJ-45 connector
- Outputs: Female BNC connectors; audio on female RCA connectors and captive screw connector
- Receives signals from a TP T Series transmitter
- Supports RGBHV, RGBS, RGsB, component video, S-video, and composite video
- Receives signals 1,000 feet (300 meters) or more over Category 5, 5e, or 6 UTP cable
- Two stereo audio outputs, balanced/unbalanced
- Automatic and manual level and peaking adjustments
- Rack, through-desk, under-desk, and projector-mountable
- External universal power supply included, part # 70-057-01 — Provides worldwide power compatibility.

## DESCRIPTION

The Extron **TP R BNC A** computer video receiver accepts long distance transmissions of analog computer-video with PC audio on any CAT 5, 5e, or 6 twisted pair cable or Extron Enhanced Skew-Free™ A/V UTP cable.

The TP R BNC A is compatible with nearly every computer and video signal type, including VGA-UXGA, composite video, component video, and S-video. Special image enhancement features, such as automatic and manual level and peaking adjustments, give the TP R BNC A the ability to improve the brightness and sharpness of the computer-video image.

**Connectors** ..... 5 BNC female  
**Nominal level** ..... 1 Vp-p for Y of component video and S-video, and for composite video  
0.7 Vp-p for RGB and for R-Y and B-Y of component video  
0.3 Vp-p for C of S-video  
**Minimum / Maximum levels** ..... 0.3 V to 1.45 Vp-p  
**Impedance** ..... 75 ohms

### AUDIO

**Number / Signal type** ..... 1 set of analog proprietary signals  
**Connectors** ..... 1 shielded RJ-45 female  
**Frequency response** ..... 20 Hz to 20 kHz,  $\pm 0.05$  dB  
**THD + Noise** ..... 0.03% @ 1 kHz, 0.3% @ 20 kHz at maximum output (unweighted)  
**S/N** ..... >63 dB at nominal level  
**Crosstalk** ..... <80 dB @ 1 kHz, fully loaded  
**Stereo channel separation** ..... >80 dB @ 1 kHz  
**CMRR** ..... >33 dB @ 20 Hz to 20 kHz

### AUDIO INPUT

REFER TO THE TP TRANSMITTERS FAMILY MANUAL, PART #68-546-02

### AUDIO OUTPUT

**Number / Signal type** ..... 1 stereo audio balanced/unbalanced, and 1 stereo audio unbalanced  
**Connectors** ..... 2 female RCA (left/right) per input  
(1) 3.5 mm, 5-pole captive screw connector per input  
**Impedance** ..... 50 ohms unbalanced, 100 ohms balanced  
**Maximum level (600 ohm)** ..... >+11.5 dBm, balanced at 1%THD+N

### GENERAL

**External power supply** ..... 100 VAC to 240 VAC, 50/60 Hz, external, to 15 VDC, 0.8 A, regulated  
**Power input requirements** ..... 15 VDC, 0.3 A (minimum)  
**Rack mount** ..... Yes, with optional 1U rack shelf, part #60-190-01.  
**Enclosure type** ..... Metal  
**Enclosure dimensions** ..... 1.3" H x 8.75" W x 7.0" D (<1U high, half rack wide)  
3.3 cm H x 22.2 cm W x 17.8 cm D (Depth excludes connectors.)  
**Product / Shipping weight** ..... 1.6 lbs (0.7 kg) / 4 lbs (2 kg)

## SPECIFICATIONS

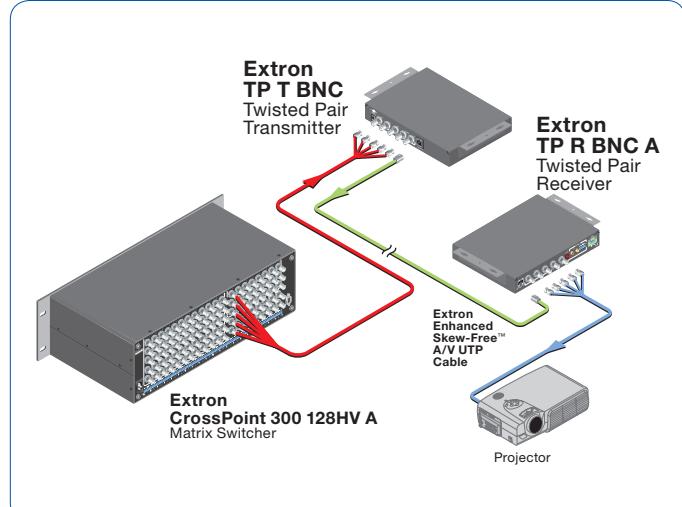
### VIDEO

**Number / Signal type** ..... 1 set of proprietary analog signals  
**Connectors** ..... 1 shielded RJ-45 female

REFER TO THE TP TRANSMITTERS FAMILY MANUAL, PART #68-546-02

### VIDEO OUTPUT

**Number / Signal type** ..... 1 analog RGBHV, RGBS, RGsB, component video, or S-video; or  
1 S-video and 1 NTSC/PAL/SECAM composite video from a single source; or  
3 NTSC/PAL composite video from a single source



## MODEL

### VERSION DESCRIPTION

### PART #

TP R BNC A

RGBHV & Audio Receiver - BNCs

60-351-02

### COMPATIBLE TRANSMITTERS

### MODEL DESCRIPTION

### PAGE

### PART #

TP T 15HD A

TP - Twisted Pair Transmitter for RGBHV and Audio

page 97

60-345-02

TP T 15HD AV

TP - Twisted Pair Transmitter for RGBHV, Composite Video, and Audio

page 100

60-346-03

TP T 15HD 45

TP - Twisted Pair Transmitter for RGBHV - 45 mm Mount Version

page 98

60-654-01

TP T A 45

TP - Twisted Pair Transmitter for Stereo Audio - 45 mm Mount Version

page 98

70-368-01

### INCLUDED ACCESSORIES

### MODEL DESCRIPTION

### PAGE

### PART #

EPS 1508 B

Extron Desktop Power Supply - 15VDC, 800mA, wire

page 694

70-057-01